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Title: Composite keratin fiber and its production process			
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Abstract			
The composite keratin fiber consists of hair keratin in 15-60 wt% and PVA in 40-85 wt%. The production process includes treating hair keratin with Na2S solution to denature via destroying its disulfide bond; dissolving the denatured keratin in pH 9-13.5 NaOH solution to a concentration of 10-20 wt%; water washing and dissolving PVA into 10-20 wt% water solution; mixing the keratin solution; PVA solution and grafting agent for grafting copolymerization to prepare the spinning liquid; and wet spinning in a vinylon producing equipment.			

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